INDEX TO AGRICULTURAL ENGINEERING

Volume 16, January — December, 1935

Issues Pages	Bennett, Chas. A.	COMBINES (Grain)
JANUARY 2- 40	Research work in cotton ginning 389	Application of rubber tires to com-
FEBRUARY 42- 88	Bennett, H. H.	The field for the small combined
MARCH 90-128	Attacking the soil erosion problem	harvester-thresher 221
APRIL130-176	on a nation-wide front 283	A new German "baby" combine 228
MAY178-208	Beresford, Hobart	
JUNE210-248	Portable elevator as a labor-saving	Concrete joists in farm structures, Pre-
JULY250-288	device on the dairy farm 149	cast 399
AUGUST290-344	Bindweed, Machinery to control the	Congress of rural engineering, Second
SEPTEMBER346-384	field 142	international 156
Остовек	Blauser, I. P.	Cotton ginning, Research work in 389
NOVEMBER426-464	Soil sterilization by electricity 436	Cowls, Experiments with ventilating 14
DECEMBER466-504	D 197:11:	
A	Boss, William The economics of long-lived farm structures 61	Cumings, G. A. Mechanical placement of fertilizers 396
AGRICULTURAL ENGINEERING	Promon Dr. Inc. W. C.	D
Texas agricultural engineering build- ing a modernized classic	Brenner, Dr. Ing. W. G. A new German "baby" combine	Dams and weirs, The design of still- ing basins for small319
Agricultural engineering responsibilities	Brooder performance, Temperature dis- tribution as a function of electric 361	Dams or ponds to conserve water 115
Engineered agriculture is stabilized agriculture (editorial)	Brooks, F. A. A new method of obtaining dust for testing tractor air cleaners 323	Davidson, J. B. The basin method of planting row crops and a basin lister planter
(editorial)		DRAINAGE, LAND
Engineered programs for engineers (editorial) 467	Discussion of the strength testing procedure for the agricultural im-	Wood veneer pipe for draining agricultural lands
What is the agricultural engineer's job? 468	plement type of spoked wheel 110	A nomographic solution of the rational run-off formula 13
AGRICULTURAL ENGINEERING	The design and development of a farm implement 261	Refinancing of drainage, levee, and irrigation districts
DIGEST (A review of current literature) 36, 82, 116, 155, 202,	BUILDINGS, FARM (See Structures, Farm)	John Johnston-the father of tile
229, 277, 327, 374, 414, 458, 494	Latin)	drainage in America 349
Agriculture, industry, and science, Conference of (editorial)	C	The first America drainage engineer 351 New promise by the most perma-
Air cleaners, A new method of obtaining dust for testing tractor	Callenbach, E. W. Temperature distribution as a function of electric brooder perform-	nent improvement (editorial) 387 Agricultural engineers dedicate monument to tile drainage pioneer 454
Air space of grains and seeds, Specific gravity and	ance 361	Drake, Raymond R. Discussion of requirements of farm
AMERICAN SOCIETY OF AGRI-	CCC, Soil Erosion Control Work by the194	machinery for terraced land 97
CULTURAL ENGINEERS (See also Agricultural Engineering, Meetings, Necrology)	Chambers, T. B. The SCS erosion control program 301	Drivewheels, Effects of the diameter on the performance of tractor 30
Atkeson, F. W. Portable elevator as a labor-saving	CHEMISTRY IN AGRICULTURE, ORGANIC (See Chemurgic,	Drivewheels and tracks, Methods of testing 55
device on the dairy farm 149	Farm)	Drummond, Garrett B.
Ayres, Q. C.	CHEMURGIC, FARM	A nomographic solution of the ra- tional run-off formula13
A new type of terracing machine 6	The challenge of change (editorial) 426	The design of stilling basins for
Cost of terracing in Iowa	Harvest machinery for chemical crops (editorial) 426	small dams and weirs 319
В	What is ahead for the farmer and the engineer? 429	Dynamometer, A drawbar 215
Baird, Ralph W.	Clyde, A. W.	E
Requirements of a terracing machine 3 Requirements of farm machinery for	Methods of testing drivewheels and	EDITORIALS
terraced land	tracks55	Reclamation becomes commercial 32
BARNS (See Structures, Farm)	Vertical hitching of farm implements	Terracing and the public weal 32 The farm survey on rubber tires 43
Bartel, F. O.	Codling moth control, Light traps for 365	Indirect labor, a key to recovery 43
Results of recent engineering studies in soil erosion control	Collins, E. V.	Outlets: For terraces and for labor 44
Basin method of planting row crops	A new type of terracing machine 6 The basin method of planting row	An American tragedy: The subsist-

Cooperative farm machinery		Electricity in plant husbandry (editorial)	Design and construction of sodded terrace outlet channels
From campus to commerce		Electric heat for propagating benches 353	Terrace outlet control 403
How shall they be taxed?		What is rural electrification?356	Terrace outlet control
"Soil on the move"			F
Join bands on erosion control		Temperature distribution as a func- tion of electric brooder perform-	Farrington, F. N.
Wind vs. water erosion	132	ance361	Tallapoosa County's terracing pro-
Remote control of floods by terrac-		Light traps for codling moth control 365	gram 314
ing		A rural electrification survey 369	Fawcett, K. I.
Finance appraises farm machinery		An electricity consumers' cooperative 401	Precooling fresh fruits in refrigera-
Manufactured farm buildings	179	Electric pasteurization of milk	tor cars 113
Competing with farm labor at one	170	Lower cost wiring for the farm 431	
cent an hour		Soil sterilization by electricity 436	FEED PROCESSING Preparation of feeds for cattle as it
Limiting design to the designer		Rural electrification in the United	affects digestibility and absorption 257
Put pressure on running water	180	States 446	The handling, processing, and stor-
To exchange professors with indus-	211	For lower wiring costs (editorial) 467	ing of legume crops for feed 469
Conference of agriculture, industry,	211	Electric uses in the greenhouse 475	EENCING FARM
and science	211	Rural line construction and opera-	FENCING, FARM For fence engineering (editorial) 292
Food acreage per capita: A variable		tion481	Curved fences for contours (edi-
A lesson thrice taught	212	A heat-insulated greenhouse 487	torial) 348
Cities are built on the farm		Ionization of farm animals and crops 488	"For fence engineering" 348
Educations exported			An engineering viewpoint on farm
The engineer and the problem of	-).	Electrocuting traps for the control of the grape leafhopper, The use of	fencing as an investment 479
the whole	251	colored light in	Problems in the production of farm
A changing tradition	252		fencing 480
Our own problem of synthesis		Elevator as a labor-saving device on the dairy farm, Portable 149	Fertilizers, Mechanical placement of 396
How much permanence?			retifizers, Mechanical placement of 390
Permanence for the soil		Ellison, W. D. Terrace outlets	Fletcher, Leonard J.
Statistical studies in engineering		Terrace outlets	Variable field requirements of ter-
For fence engineering		Ellsworth, Joe K.	racing equipment5
		The use of colored light in electro-	Floto, Walter M.
Farm electricity needs selling		cuting traps for the control of the grape leafhopper	Problems in the production of farm
Electricity in plant husbandry	34/		fencing
Engineered agriculture is stabilized agriculture	3/10	Equilibrium moistures of some hays 451	French, O. C.
Curved fences for contours		EROSION CONTROL, SOIL	Mechanical equipment for grape leaf-
		Requirements of a terracing machine 3	hopper control 213
From production to protection		The development of a terrace build-	Frost, K. R.
New promise by the most permanent improvement		ing machine4	The design of a double-piston pres-
A model of orderly research		Variable field requirements of ter-	sure regulator for spray pumps 227
Permanence and insurance		racing equipment5	Tests of flat steel agitator blades 443
The challenge of change		A new type of terracing machine 6	G
Harvest machinery for chemical		Terracing and the public weal (edi-	Gaylord, F. C.
crops		torial) 32	Precooling fresh fruits in refrigera-
Tom Campbell and the flings of		Soil erosion control is engineering	tor cars 113
Fortune		(editorial) 44	Getchell, B. E.
Agricultural engineering marches on	428	Outlets: For terraces and for labor (editorial) 44	F1
Engineered programs for engineers	467	New power equipment for terrac-	
For lower wiring costs	467	ing 93, 180	Giles, G. Wallace A drawbar dynamometer
What is the agricultural engineer's		"Soil on the move" (editorial) 131	
job?	468	Join hands on erosion control (edi-	Grade for terraces, Selection of chan-
Education, An engineered	441	torial)131	nel
		Wind vs. water erosion (editorial) 132	
Effects of the diameter on the per-		Remote control of floods by terracing	Electric uses in the greenhouse 475
formance of tractor drivewheels	30	(editorial) 132	A heat-insulated greenhouse 487
	. 50	Engineering experiments in soil ero-	Gunness, C. I.
Einfeldt, E. E.		sion control in the Northwest 187	A simple device for precooling milk 218
Discussion of strength testing proce		Teaching terracing with blocks 190	
dure for the agricultural imple ment type of spoked wheel	100	Visualizing soil erosion control 191	
	,	Soil erosion control work by the	Haswell, John R.
Ekblaw, K. J. T.	_		0 0
Present opportunities for better farm		Permanence for the soil (editorial) 291	Hay, A device for sampling
	_ 208	Attacking the soil erosion problem on a nation-wide front	B Herms, W. B.
ELECTRIFICATION, RURAL		Terrace outlets29	
Competing with farm labor at on		The SCS erosion control program 30	cuting trans for the control of the
The use of colored light in electron		Results of recent engineering studies	grape leafhopper 18
The use of colored light in electro cuting traps for the control of th		in soil erosion control30	4 Hienton, T. E.
grape leafhopper	_ 183	Selection of channel grade for ter-	Precooling fresh fruits in refrigera-
Characteristics of the resistance type	e	races 30	
soil sterilizer	271	Tallapoosa County's terracing pro-	Light traps for codling moth control 36
Farm electricity needs selling (ed	i-	gram 31	Hill, H. O.
torial)	247	Cost of terracing in Iowa 31	7 Terrace outlet control 40

Hitching of farm implements, Vertical 358.	An exhibit of twenty years of farm machine progress	Miller, R. C.
House heating studies, Results of 449	A vegetable seeder and cultivator for	The battle for adequate farm buildings
Household equipment, New things in 73	the one-plow tractor20	An engineering viewpoint on farm
Humphries, W. R. Moisture changes in some agricul-	Cooperative farm machinery (editorial)91	fencing as an investment 479 Miscenko, N. F.
tural products due to atmospheric conditions	From campus to commerce (editorial)92	Methods of fixation and porosity de-
Hurst, W. M.	Requirements of farm machinery for	termination in the study of soil mechanics23
Moisture changes in some agricul- tural products due to atmospheric conditions 8	Strength testing procedure for the	Moisture changes in some agricultural products due to atmospheric con-
The field for the small combined	agricultural implement type of spoked wheel	ditions 8
harvester-thresher 221	Finance appraises farm machinery	Moistures of some hays, Equilibrium 451
I	(editorial)132	N
Ionization of farm animals and crops 488	A study of power requirements and efficiency of threshing machines 137	NECROLOGY
IRRIGATION	Machinery to control the field bind-	Fred J. Bullock 199
Orchard tillage under straight-fur-	weed142	Wendell Pierson Miller
Refinancing of drainage, levee, and	The farm tillage machinery labora- tory	Major Oscar Van Pelt Stout
irrigation districts 151 Rates of flow from porous hose 193	The field for the small combined harvester-thresher 221	Newhall, A. G. Theory and practice of soil sterilization65
T	The design of a double-piston pres-	Nicholas, John E.
J. J. M. B.	sure regulator for spray pumps	Temperature distribution as a func-
Jensen, M. B. A monolithic concrete potato ware-	The design and development of a	tion of electric brooder perform-
house 193	farm implement 261	ance 361 Cooling milk with ice 472
JOHN JOHNSTON	Vertical hitching of farm implements 358	The energy required in the cooling
John Johnston—the father of tile drainage in America	Mechanical placement of fertilizers 396	of milk 474
The first American drainage engi-	Tests of flat steel agitator blades 443	Nichols, M. L.
Agricultural engineers dedicate	Marshall, G. E. Light traps for codling moth control 365	New power equipment for terracing 93 Noekkentved, Chr.
monument to tile drainage pioneer 454 Johnson, L. W.	Matson, Howard	Experiments with ventilating cowls 14
A new type of terracing machine 6	Design and construction of sodded terrace outlet channels 321	P
Jones, Walter B. Beyond our boundaries (editorial) 31	Mayer, I. D.	Pasteurization of milk, Electric 408
The winter meetings of the ASAE technical divisions 490	Application of rubber tires to combines 53	Patty, Ralph L. Determining colloids in soil for rammed earth construction 275
K. H. C. W	McCormick medal, Theo. Brown awarded195	PEST CONTROL
Kable, Geo. W. An electricity consumer's cooperative 401	McCuen, G. W.	The use of colored light in electro- cuting traps for the control of the
King, Margaret	A study of power requirements and efficiency of threshing machines 137	grape leafhopper 183
Texas agricultural engineering build- ing a modernized classic	Agricultural engineering responsibilities	Mechanical equipment for grape leafhopper control 213
Krueger, W. C. Electric uses in the greenhouse		Pinches, Harold E.
Electric uses in the greemouse	McGrew, P. C. Engineering experiments in soil ero-	What is the agricultural engineer's job?
L	sion control in the Northwest 187	Pincus, J. W.
Laboratory, The farm tillage machinery 219	MEETINGS (ASAE)	Ionization of farm animals and crops 488
Land classification and soil and water surveys 224	Program of Southern Section meet- ing	PLOWS (AND PLOWING)
Leafhopper, The use of colored light	Report of Farm Structures Division	Trash shields for plows 260
in electrocuting traps for the con-	Report of Farm Structures Division meeting 33	A new aid to clean plowing 407
trol of the grape 183	Report of Pacific Coast Section meeting33	Parter, Lawrence C.
Leafhopper control, Mechanical equip- ment for grape	Report of Power and Machinery Di-	A heat insulated greenhouse 487
Livingston, L. F. What is ahead for the farmer and	vision meeting 34 Plans for the 1935 ASAE annual	Potato warehouse, A monolithic concrete 193
the engineer? 429	Pacific Coast Section meeting 75, 119	Powers, Wilbur L.
Lloyd, Morris H. Lower cost wiring for the farm 431	1935 ASAE annual meeting120, 156, 196	Land classification and soil and
Lyman, F. A.	Impressions of ASAE annual meet- ing 278	R
A monolithic concrete potato ware- house	Canadian Section presents program 279	Rammed earth construction, Determin-
Precast concrete joists in farm struc-	North Atlantic Section to meet at	ing colloids in soil for 275
tures	Cornell 280, 372	
M	Meeting programs of ASAE technical divisions 411, 453	The farm tillage machinery labora- tory
MACHINES, FARM (See also Pest	Pacific Coast Section meeting 456, 492	
Control; Plows; Tractors, Agri- cultural)	The winter meetings of the ASAE technical divisions 490	The farm tillage machinery labora-

REFRIGERATION Precooling fresh fruits in refrigera- tor cars113	Sprague, D. C. A vegetable seeder and cultivator for the one-plow tractor	Pneumatic tractor tires on listed crop ridges 5
A simple device for precooling milk 218 Cooling milk with ice 472	SPRAYING (SPRAY EQUIPMENT) The design of a double-piston pres-	TRACTORS, AGRICULTURAL (See also Machines, Farm; Tires, Rub- ber)
The energy required in the cooling of milk 474	sure regulator for spray pumps	A vegetable seeder and cultivator for the one-plow tractor2
RESEARCH (For procedures and re- sults of specific researches, see sub-	Staebner, F. E. Rates of flow from porous hose 193	Effects of the diameter on the per- formance of tractor drivewheels 30
ject matter concerned) Research, A model of orderly (editorial)	Stilling basins for small dams and weirs, The design of	A study of users' experiences with rubber-tired farm tractors
Richardson, Howard E. The handling, processing and storing of legume crops for feed	Stockwell, H. J. Soil erosion control work by the	torial) 9 Statistical studies in engineering (editorial) 29
Riesbol, H. S. Selection of channel grade for terraces 308	STORAGE, CROP The handling, processing, and storing of legume crops for feed 469	A new method of obtaining dust for testing tractor air cleaners 32
Robb, B. B. John Johnston—the father of tile	STRUCTURES, FARM	V
drainage in America 349 Roberts, Evelyn H. New things in household equip-	Structures61 The battle for adequate farm build-	Ventilating cowls, Experiments with 1
ment 73	ings 111 Manufactured farm buildings (edi- torial) 179	Weaver, David S.
Run-off formula, A nomographic solu- tion of the rational	Some present day demands influenc- ing farm building design 181	A rural electrification survey 36
S Schaenzer, J. P.	A monolithic concrete potato ware- house	Weiss, F. C. Rural line construction and operation 48
Rural electrification in the United States 446	Present opportunities for better farm building 268 How much permanence? (editorial) 291	Wheeler, John T. An engineered education44
Schram, Emil Refinancing of drainage, levee, and irrigation districts	Permanence and insurance (editorial)	WHEELS Strength testing procedure for the
Scoates, D. Teaching terracing with blocks	tures 399 Results of house heating studies 449	agricultural implement type of spoked wheel 10
Senner, Arthur H. Results of house heating studies 449	Subsistence farm, An American trag- edy: the (editorial)91	White, E. A. What is rural electrification?
Shedd, C. K. The basin method of planting row crops and a basin lister planter 13:	Sutton, John G. Wood veneer pipe for draining agricultural lands	Wileman, R. H. Trash shields for plows 2 Wiring for the farm, Lower cost 4
Silver, E. A. A study of power requirements and	Т	Wood veneer pipe for draining agri- cultural lands
efficiency of threshing machines 13' Preparation of feeds for cattle as it affects digestibility and absorption 25'	Tavernetti, J. R. Characteristics of the resistance type	Wooley, J. C. The development of a terrace build-
Smith, C. W. A study of users' experiences with	soil sterilizer 271 Electric heat for propagating benches 353	Some present day demands influenc-
rubber-tired farm tractors 4 Machinery to control the field bindweed 14	Taylor, C. A.	ing farm building design 1
Smith, L. M. Rural line construction and opera-	irrigation	Yoder, R. E.
tion 48 SOIL DYNAMICS		New power equipment for terracing
Methods of fixation and porosity de- termination in the study of soil mechanics	requirements and efficiency of	Z Zimmerman, O. B.
Soil and water surveys, Land classifica- tion and	Visualizing soil erosion control 191 4 Tillage under straight-furrow irriga-	Strength testing procedure for the agricultural implement type of spoked wheel
Soil sterilization, Theory and practice of6		Col. Zimmerman raised to honorary membership
Soil sterilization by electricity 43	A study of users' experiences with rubber-tired farm tractors	Zink, Frank. J. Pneumatic tractor tires on listed crop
Soil sterilizer, Characteristics of the resistance type 27	The farm survey on rubber tires	Specific gravity and air space of
SOILS (See also Erosion Control, Soil) Theory and practice of soil steriliza-	(editorial) 43 Methods of testing drivewheels and	
tion	55 tracks 55	A device for sampling hay